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RAW SEQUENCE LISTING

DATE: 04/12/2002

PATENT APPLICATION: US/09/922,584A

TIME: 14:57:28

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\04122002\I922584A.raw

ENTERED

3 <110> APPLICANT: Vertex Pharmaceuticals Incorporated
 5 <120> TITLE OF INVENTION: ERK-5 DEFICIENT ANIMALS AND METHODS OF INHIBITING
 ANGIOGENESIS THROUGH

6 THE INHIBITION OF ERK-5

8 <130> FILE REFERENCE: VPI/00-115 CON

10 <140> CURRENT APPLICATION NUMBER: US/09/922,584A

11 <141> CURRENT FILING DATE: 2002-03-28

13 <150> PRIOR APPLICATION NUMBER: US09/888,182

14 <151> PRIOR FILING DATE: 2001-06-22

16 <160> NUMBER OF SEQ ID NOS: 6

18 <170> SOFTWARE: PatentIn version 3.0

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 26

22 <212> TYPE: DNA

23 <213> ORGANISM: Mus musculus

25 <400> SEQUENCE: 1

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26

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30 <211> LENGTH: 25

31 <212> TYPE: DNA

32 <213> ORGANISM: Mus musculus

34 <400> SEQUENCE: 2

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25

38 <210> SEQ ID NO: 3

39 <211> LENGTH: 802

40 <212> TYPE: DNA

41 <213> ORGANISM: Mus musculus

43 <220> FEATURE:

44 <221> NAME/KEY: misc_difference

45 <222> LOCATION: (1)..(802)

46 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid

49 <400> SEQUENCE: 3

50 cggnacctac tgtgccctat ggaggaattc agatctgtgt aagggagtgg gccaggagga 60

52 ggagacacag tcgggatcag cttagaagcc caggttcagt aatactgaag ttctggcagg 120

54 gcggttgaac ccagagtgat gcgggctgtg agtccaggac attggtaggg acagttctta 180

56 tctctcaaga gggcaagggc tggggatgtc gatcactggt aggctgatga gcatctttga 240

58 ggttttaggt tgactctcct gtacaaaagg ggaaaagaat caagaggatt tacctcttta 300

60 tggatcatgcc acctttggtt atatcataag ttcaaggcta gtctagaccc tgttccaaaa 360

62 gacaaaacan aaaacnana cagcaatnta nganaagggg gagagggcnc agacngnccg 420

64 ggacagatec aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgtc 480

66 ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata 540

68 gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca 600

70 atcttggtag atttgaatat ttctataaaa aaaatttttt ttgacagaaa ttangtccat 660

72 ggagaaagtg atttgtcaga aagcttgtta aaaagtgttg ggctnggaaa aaacccgatt 720

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W--> 74 cggtgattaa gatcactcga tcttttaaaaa gggacttggc ttttaantncc ataatggnc 780
W--> 76 ttcaccgggg ggcntaaact tt 802
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 794
81 <212> TYPE: DNA
82 <213> ORGANISM: Mus musculus
84 <220> FEATURE:
85 <221> NAME/KEY: misc_difference
86 <222> LOCATION: (1)..(794)
87 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
90 <400> SEQUENCE: 4

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W--> 95 naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa 180
W--> 97 aactttataa aagttgtggc cagncgggtg tggcgcgatgc ctttaatecc agcactgggg 240
99 aggcagaggc aggcagatct cttgagtttt gggtttgagg ccaacctggg ctacaagagc 300
101 aagcaagttc caggccagat aaggctacac agacatcttg tcttgaaaaa aagaaagaaa 360
W--> 103 gaatgaaagt ttagaaaaac ctaaaacccg gtgnnnaant ccncncttcc catgntgtta 420
105 gtccttttggg gtttcaactgt aaggccataa cctcaggaat tgggagtgcc aggggaacgga 480
107 gtgccagggg gggcttctcc ctgtgatgtg aggaggttag ctcacccgtt tcttcccatt 540
109 ttcagctatg tggtaactgga cctcatggag agcgacctac accagatcat tcaactcttca 600
111 cagccgctca cctggaaca tgtgagatac ttctgtacc agctgcttcg gggcctcaaa 660
113 tacatgcact ctgctcaggt catccaccgt gatcttaaac cctctaacct tctgggtcaat 720
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117 tgccgagcac caga 794
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121 <211> LENGTH: 632
122 <212> TYPE: DNA
123 <213> ORGANISM: Mus musculus
125 <220> FEATURE:
126 <221> NAME/KEY: misc_difference
127 <222> LOCATION: (1)..(632)
128 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid
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134 cacagttcca cttgagccca gggatggcat ctcaacatct ggacacacag gctcactagc 120
W--> 136 cacaggctgc ananaagntg gaacgnattg ttgnncaatg cctccngtc gtgcatgaaa 180
138 gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240
140 caaaagcaaa gtcaaaaggt ggggcgcaat caggctcctc atcagggtca tggtaacttag 300
W--> 142 ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntgcaccat 360
144 gcgtcccagc agggagaggg cctggcggtc agcacctggg tatactgtct cccaaggcac 420
146 aggttgctt ggtggcaggc tctggatata ggctcgacc ctttcagccc ccacagcctg 480
148 aatcacagct ggtgacggag ttcccaacac catcatgac agctgtaact ggtgcacgta 540
150 gtttttgctt gggaagagct ggcgcccagc cagcatctca ccaagatgc agcccacaga 600
152 ccagaggctg attgctgctg gtatactcgt gc 632
155 <210> SEQ ID NO: 6
156 <211> LENGTH: 617
157 <212> TYPE: DNA
158 <213> ORGANISM: Mus musculus

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160 <220> FEATURE:

161 <221> NAME/KEY: misc_difference

162 <222> LOCATION: (1)..(617)

163 <223> OTHER INFORMATION: Wherein n is selected from any nucleic acid

166 <400> SEQUENCE: 6

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W--> 167 ggcaggtacc gcgttagnac cnnttatcng aaccnntgt ttntencagn nnagcnntat      60
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W--> 171 aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaag gattagggag      180
W--> 173 antctggaat gacctnanta tggtagtag gaaggggaaga aggatcagtt aatncagtca      240
W--> 175 caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga      300
W--> 177 ggcagttgga aattaaaaatn ttgatatatg ttacacacag ggcentgcac cacagtaggg      360
W--> 179 acttnatgmn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag      420
      181 gtactctctg gtatatgcc ttttcctgct cccagggcca gcaggaggcc atcaagaaga      480
      183 tacctaagtc ttttgatgtg gtgaccaatg ccaaacggac cctcagggag ctgaagatcc      540
      185 tcaaacactt caaacacgac aatatcatcg ccatacagga catcctgaag cctactgtgc      600
      187 cctatggaga attcttc                                     617

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 4,370,377,388,391,394,409,415,417,654,705,766,768,778,794
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Seq#:5; N Pos. 12,14,17,23,42,51,132,134,138,146,154,167,329,340,351
Seq#:6; N Pos. 18,22,23,29,36,37,43,46,50,51,52,56,57,70,74,101,105,110,111
Seq#:6; N Pos. 112,117,118,120,144,145,150,166,170,182,196,198,234,244,246
Seq#:6; N Pos. 247,248,261,269,281,289,291,297,298,320,345,365,369,370,371
Seq#:6; N Pos. 373,378